

Product Texts**Microcrystalline, permanently transparent polyamide**

TROGAMID® myCX high flow is a microcrystalline transparent polyamide for the manufacture of parts in the optical industry, like lenses according to the injection molding procedure.

TROGAMID® myCX high flow is supplied as spherical pellets in moisture-proof packaging.

Pigmentation may affect values.

For information about processing of TROGAMID®, please follow the general recommendations about "[Processing of TROGAMID® compounds](#)".

The values presented are typical or average values, they do not constitute a specification.

FOR FURTHER INFORMATION PLEASE CONTACT US AT EVONIK-HP@EVONIK.COM
OR VISIT OUR PRODUCT AT WWW.TROGAMID.COM

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	11 / *	cm ³ /10min	ISO 1133
Temperature	280 / *	°C	-
Load	2.16 / *	kg	-
^[C] Molding shrinkage, parallel	0.7 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.7 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	1480 / 1490	MPa	ISO 527
^[C] Yield stress	59 / 63	MPa	ISO 527
^[C] Yield strain	8 / 7	%	ISO 527
^[C] Nominal strain at break	>50 / >50	%	ISO 527
^[C] Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	N / N	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	11 / 12	kJ/m ²	ISO 179/1eA
^[C] Type of failure	C / C	-	-
^[C] Charpy notched impact strength, -30°C	11 / 12	kJ/m ²	ISO 179/1eA
^[C] Type of failure	C / C	-	-
^[C] Shore D hardness	81 / *	-	ISO 7619-1

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	247 / *	°C	ISO 11357-1/-3
^[C] Glass transition temperature, 10°C/min	135 / *	°C	ISO 11357-1/-2
^[C] Temp. of deflection under load, 1.80 MPa	102 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	120 / *	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	127 / *	°C	ISO 306
^[C] Coeff. of linear therm. expansion, parallel	92 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	96 / *	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	3 / *	%	Sim. to ISO 62
^[C] Humidity absorption	2 / *	%	Sim. to ISO 62
^[C] Density	1020 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
ISO Data			
^[C] Injection Molding, melt temperature	280	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294
Injection Molding, injection velocity	200	mm/s	ISO 294

[C]: CAMPUS

Characteristics**Processing**

Injection Molding, Film Extrusion, Other Extrusion

Special Characteristics

Transparent

Delivery form

Granules

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa